



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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November 20, 1985

Mr. Chris Sterry
Plant Engineer
Texasgulf Chemical Company
P. O. Box 1208
Moab, Utah 84532

Dear Mr. Sterry:

RE: Cane Creek Mine, ACT/019/005, Grand County, Utah

I would like to thank you for Texasgulf's participation in the constructive meeting held at the Division of Oil, Gas and Mining November 8, wherein permanent plugging and abandonment procedures for the mine shafts at the Cane Creek facility were discussed. Enclosed please find a file memo enumerating specifics of that meeting. The procedures enumerated at the November 8 meeting will facilitate calculation of the required reclamation bond for the shafts and will aid in the establishment of the final reclamation plan for the entire project that Texasgulf is preparing for the Division of Oil, Gas and Mining.

I appreciate Texasgulf's past efforts to establish a realistic reclamation plan for Cane Creek. The Division of Oil, Gas and Mining will contact you during the week of December 9 to establish a January 1986 meeting at the Cane Creek Mine that will, among other things, establish a schedule for formulation of the required reclamation plan.

Please don't hesitate to call me in the meantime if you have questions regarding the thrust of the January meeting.

Sincerely,

Lowell P. Braxton
Administrator
Mineral Resource Development
and Reclamation Program

btb
cc: Pam Grubaugh-Littig
John Whitehead
0168R-23

November 12, 1985

TO: File

FROM: Pamela Grubaugh-Littig, Reclamation Engineer *pgl*

RE: Meeting with Bureau of Water Pollution Control,
Texasgulf and Division of Oil, Gas and Mining, Cane
Creek Mine, ACT/019/005, Grand County, Utah

A meeting with two representatives from Texasgulf's Cane Creek Mine (Rudy Higgins and Chris Sterry) and two representatives from the Bureau of Water Pollution Control (BWPC) (Fred Pehrson and Loren Morton) and Lowell Braxton and Pamela Grubaugh-Littig met on November 8, 1985 to discuss the particulars of shaft abandonment for two shafts at the Cane Creek Mine in Moab, Utah. A discussion of the determination of potable water in the shaft concluded that for all intents and purposes there is none. Therefore, the plugging of Shaft #1 which is 22 feet in diameter will be as follows:

1. There will be one concrete plug set at 2,000 feet that will be 100 feet in length. (The salt below the 2,000 foot level should be stable.)
2. Backfill material (exact type to be determined from lab results of onsite material) will be placed up to three feet from the collar, i.e., 1,897 feet of backfill material.
3. A three foot cement cap will be placed at the collar. An alternative to this cap will be shooting through the present 12 foot cap and plugging and backfilling through the hole made.
4. A port to monitor and maintain the shaft must be installed. Exact designs will be forthcoming later.

The second shaft which is four feet in diameter will have one plug at the bottom. Fifty feet of gravel will be placed at the bottom, 10 feet of cement will be placed at 2,650 feet, more gravel then 90 feet more of concrete. The remainder of the shaft will be backfilled and a three foot cap placed at the collar with monitoring capabilities.

Chris Sterry will discuss th results of a sieve analysis (percent of material through a #200 sieve [silts and clays]) during the week of November 11 with the Division for final approval of onsite material as shaft backfill.

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Memorandum - File

ACT/019/005

November 12, 1985

Texasgulf must meet a bond estimate deadline with BWPC by November 15, 1985. (Note: A 10 percent subsidence per year to be backfilled was agreed upon for the bond estimate.)

The Division will call Texasgulf during the week of December 9, 1985 to set up a field trip to the Cane Creek Mine. Before that time, the technical staff, "A Team," will review the present Mining and Reclamation Plan to find possible deficiencies.

Shaft abandonment guidelines from the Division were distributed at the meeting.

btb

cc: Lowell Braxton

John Whitehead

9075R-14 & 15